

# Journal Prompt from Module 2

Ray Montes Jr

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When describing each of the principles of science, Relativism refers to all things that are in some way shape or form connected/related. Objectivity is a way of research without letting the sole interest and opinions get in the way while conducting and shaping their conclusions or hypothesis. Parsimony is simply giving a straightforward answer without overcomplicating it and if so, dumbing it down for people. Ethical Neutrality simply put is protecting and respecting the rights of individuals who have decided to assist in study topics in an ethical manner.

Determinism is looking at how events leading up to a situation may have caused or influenced the choices and thinking involved. Skepticism is evidence-based information that you can verify which can be drawn upon by hypotheses.

An example of Relativism can be encryption as it tends to get outdated and evolves to higher a version such as 128-bit being the older, and 256-bit being the better version. Objectivity examples would fall under data breaches, to further elaborate, security analysts use forensic logs, timestamped activity, and more, rather than making guesses about a culprit. Parsimony would be instead of saying there was an advanced cyberattack, there is some type of database misconfiguration or congestion on the network rather than dragging it all on. Ethical Neutrality would be studying ransomware behaviors and how they work as far as attack mechanisms to give a further understanding in the ethical practices. Determinism would be a system crash or breach and looking into what causes it systematically. Skepticism would be a product offering unbreakable security and then having that tested through penetration testing.